PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	Rajnish KUMAR et al.	**Confirmation No.:**	2930
Serial No.:	10/632,403	**Examiner:**	Kamal B. DIVECHA
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Title: FORTUITOUS COMBINATIONS OF AD-HOC AVAILABLE SETS OF DIFFERENT ELECTRONIC DEVICES TO RESPOND TO USER JOBS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PROPOSED AMENDMENT

Examiner Divecha:

Below is the proposed amendment that we discussed and agreed upon during our telephonic interview today. Please note that, in Claim 12, the processor is hardware and can be implemented by any well known processor such as a microprocessor or CPU.

If you have any questions, please do not hesitate to contact me. Thank you.

Respectfully submitted,

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IN THE CLAIMS

1. (Currently Amended) A method, comprising:

receiving a user request into a coordinating device, wherein the user request requests a task to be performed by one or more of a plurality of electronic devices available ad-hoc;

processing [[with]] at said coordinating device a service description information for each of [[a]] the one or more of the plurality of electronic devices available ad-hoc [[to]] and identify functionally responsive combinations of electronic devices capable of servicing said user request;

calculating a score for each of the functionally responsive combinations, said calculating using user preference information;

configuring said available electronic devices of the functionally responsive combinations into an ad-hoc combination ~~according to~~ based on said calculated scores; and

servicing said user request with said ad-hoc combination,

wherein calculating the score for each of the functionally responsive combinations is ~~based on~~ calculated as:

$$AS(A,AP) = \sum_{i=1}^{n} sw_i(D,AP) * e(D_i) * DS_i(D,DP_i)$$

where:

A is a particular functionally responsive combination;

AP is a combination-level policy, wherein the combination-level policy indicates how the electronic devices are scored relative to each other;

AS is a calculated score for the particular functionally responsive combination;

n is a number of electronic devices that are included in said particular combination, wherein n is greater than one;

sw_i is a weight assigned to each device of type *i* according to said combination-level policy *AP;*

DP is a device scoring policy based on the user preference information;

DS_i is an unweighted device score for each device D_i; and

$e(D_i)$ is a percentage indicating availability of said device D_i, wherein the percentage is based on a status of said device D_i.

12. (Currently Amended) A programmable apparatus for selecting a combination of electronic devices from a plurality of available electronic devices for performing a user request, each electronic device having service description information associated therewith, said apparatus comprising:

user interface means for receiving a user request;

a processor for processing said service description information associated with said available electronic devices [[to]] for identifying functionally responsive combinations of electronic devices, each of the functionally responsive combinations being capable of servicing

said user request; and for calculating a score for each of the functionally responsive combinations, said calculating using user preference information; [[and]] for selecting one of said functionally responsive combinations ~~according to~~ based on said calculated scores[[.]]; and for servicing the user request with the selected one of said functionally responsive combinations.

wherein calculating the score for each functionally responsive combination is ~~based on~~ calculated as:

$$AS(A, AP) = \sum_{i=1}^{n} sw_i(D, AP) * e(D_i) * DS_i(D, DP_i)$$

where:

A is a particular functionally responsive combination;

AP is a combination-level policy, wherein the combination-level policy indicates how the electronic devices are scored relative to each other;

AS is a calculated score for the particular functionally responsive combination;

n is a number of devices that are included in said particular combination, wherein n is greater than one;

sw_i is a weight assigned to each device of type *i* according to said combination-level policy *AP;*

DP is a device scoring policy based on the user preference information;

DS_i is an unweighted device score for each device D_i; and

$e(D_i)$ is a percentage indicating availability of said device D_i, wherein the percentage is based on a status of said device D_i.

14. (Currently Amended) ~~Computer~~ A non-transitory computer data storage media ~~having programmed thereon~~ storing computer software instructions to make a programmable device execute the following steps:

receiving a user request, wherein the user request requests a task to be performed by one or more of a plurality of available devices;

processing service description information for each of the one or more of the plurality of ~~plural~~ available devices [[to]] and identify functionally responsive combinations of devices, each functionally responsive combination being capable of servicing said user request;

calculating a score for each of the functionally responsive combinations, said calculating using user preference information; [[and]]

selecting one of said functionally responsive combinations ~~according to~~ based on said calculated scores[[.]]; and

servicing the user request with the selected one of said functionally responsive combinations,

wherein calculating the score for each of the functionally responsive combinations is ~~based on~~ calculated as:

$$AS(A, AP) = \sum_{i=1}^{n} sw_i(D, AP) * e(D_i) * DS_i(D, DP_i)$$

where:

A is a particular functionally responsive combination;

AP is a combination-level policy, wherein the combination-level policy indicates how the electronic devices are scored relative to each other;

AS is a calculated score for the particular functionally responsive combination;

n is a number of devices that are included in said particular combinatio, wherein n is greater than one;

sw_i is a weight assigned to each device of type *i* according to said combination-level policy *AP;*

DP is a device scoring policy based on the user preference information;

DS_i is an unweighted device score for each device *D;* and

$e(D_i)$ is a percentage indicating availability of said device D_i, wherein the percentage is based on a status of said device D_i.